INDIAN ACADEMY OF SCIENCES
Bengaluru

37th MID-YEAR MEETING

3–4 July 2026

Faculty Hall, Indian Institute of Science, Bengaluru

PROGRAMME

Scan for Abstract eBook

3 JULY 2026 (FRIDAY)

09:00–9:30	***Registration***

Unable to attend? Join us live!
Sessions 1A to 1C
https://youtube.com/live/ydO1eMGT0Vs?feature=share

09:30–10:10	**Session 1A: *Special Lecture*** **Chairperson: Meena Mahajan,** IMSc, Chennai **Pradip Dutta**, IISc, Bengaluru ***Digital Transformation and Environmental Sustainability***
10:10–11:00	**Session 1B: *Inaugural Lectures by Fellows and Associates*** **Chairperson: C Pulla Rao,** SRM University, Guntur
10:10–10:30	**Subroto Mukerjee**, IISc, Bengaluru ***Electron Hydrodynamics: When Electrons in a Wire Flow like Water through a Pipe***
10:35–10:55	**Rusa Mandal**, IIT Gandhinagar, Gandhinagar ***From Quarks to New Physics: Lessons from B Meson***
11:00–11:20	***Tea Break***
11:20–13:00	**Session 1C: *Inaugural Lectures by Fellows and Associates*** **Chairperson: V Prakash,** Former Director, CSIR-CFTRI, Mysuru
11:20–11:40	**Prasanta K Das**, IACS, Kolkata ***Fluorescent Organic Nanostructures in Oxidoreductase Enzyme Assisted Diagnosis of Cancer***
11:45–12:05	**Sandhya Shenoy**, Srinivas University, Mangaluru ***Electronic Structure Engineering for the Development of High-performance Thermoelectric Materials***
12:10–12:30	**G Jagadeesh,** IISc, Bengaluru ***Shocking Waves – Healing Touch!***
12:35–12:55	**Yogesh M Joshi**, IIT Kanpur, Kanpur ***Different Shades of Thixotropy***
13:00–14:30	***Lunch*** ***Venue: Lawn, IISc Main Guest House***

Unable to attend? Join us live!
Session 1D
https://youtube.com/live/snytRP_vKTE?feature=share

14:30-16:30	**Session 1D: *Inaugural Lectures by Fellows and Associates*** **Chairperson: Analabha Basu,** NIBMG, Kalyani
14:30–14:50	**K Subramaniam**, IIT Madras, Chennai ***PLP-1 / PURA – An RNA-granule Component with Roles in Small RNA-mediated Gene Regulation***
14:55–15:15	**Naveen C Bisht**, NIPGR, New Delhi ***Precision Breeding of Indian Oilseed Mustard through Genome Editing***
15:20–15:40	**Munia Ganguli**, IGIB, New Delhi ***Building Targeted Non-viral Gene Delivery Systems***
15:45–16:05	**Shuvadeep Ganguly**, AIIMS, Kalyani ***Understanding Supportive Therapy in Cancer to Bridge the Survival Gap***
16:10–16:30	**S C Raghavan**, IISc, Bengaluru ***The Molecular Basis of Chromosomal Translocations: Roles of DNA Conformation and Immune Machinery***
16:35–17:15	***High Tea***

Unable to attend? Join us live!
Session 1E
https://youtube.com/live/0rJOeo8podY?feature=share

17:30–18:30	**Session 1E: *Public Lecture*** **Chairperson: Raghavan Varadarajan,** President, IASc **Seema Alavi**, Ashoka University, Sonipat ***Entangled Histories: Unani Medicine, Religion and Politics in British India***
19:00	***Dinner*** ***Venue: Lawn, Raman Research Institute***

4 JULY 2026 (SATURDAY)

Unable to attend? Join us live!
Sessions 2A and 2B
https://youtube.com/live/-Ek4NTASs3s?feature=share

9:30–11:30	**Session 2A: *Symposium on Artificial Intelligence in Health*** **Conveners: Somdatta Sinha,** IISER Kolkata, Nadia **Narendra Dixit,** IISc, Bengaluru
09:30–09:40	***Introduction to the Symposium***
09:40–10:00	**Nisheeth Srivastava**, IIT Kanpur, Kanpur ***BODH – A New Way of Validating AI Models for Health***
10:00–10:20	**Sushmita Mitra**, ISI, Kolkata ***Artificial Intelligence in Healthcare***
10:20–10:40	**Geetha Manjunath**, Niramai Health Analytix Pvt. Ltd, Bengaluru ***Affordable and Portable Breast Cancer Screening Test Powered by AI***
10:40–11:00	**Nagasuma Chandra**, IISc, Bengaluru ***Decoding Immune Response Patterns across Diseases using Artificial Intelligence and Omics***
11:00–11:20	**Oishee Mazumder**, TCS Research, Kolkata ***From AI to Actionable Physiology: Digital Twins for Precision and Personalized Healthcare***
11:20–11:30	***Summary and Closing Remarks***
11:30–12:00	***Tea Break***
12:00-13:10	**Session 2B: *Inaugural Lectures by Fellows and Associates*** **Chairperson: Janendra K Batra,** NICHDR, New Delhi
12:00–12:20	**Sikhar Patranabis**, IBM Research India, Bengaluru ***Recent Advances in Post-quantum Cryptography***
12:25–12:45	**Santosh Chauhan**, CCMB, Hyderabad ***Programmed Cell Revival: Redefining the Borders of Cellular Life, Death, and Tissue Regeneration***
12:50–13:10	**Akshit Goyal**, ICTS, Bengaluru ***Towards a Theory of the Evolution of Ecosystems***
13:15	***Lunch*** ***Venue: Lawn, IISc Main Guest House***